Title (en)

Coding for digital television transmission

Title (de)

Kodierung für die digitale Fernsehübertragung

Title (fr)

Codage pour la transmission de signaux de télévision numérique

Publication

EP 1804386 A2 20070704 (EN)

Application

EP 06291682 A 20061027

Priority

KR 20050103548 A 20051031

Abstract (en)

A digital television transmitter and a method of coding main and enhanced data in the digital television transmitter are disclosed. In the digital television transmitter, a byte-symbol converter (108) converts main and enhanced data packets into symbols, wherein at least one of the enhanced data packets may include data place holders for known data symbols. A known data generator (110) generates a known data symbol. A symbol processor (109) processes a first symbol outputted from the byte-symbol converter. Herein, the symbol processor may post-decode a first bit of the known data symbol and output the post-decoded bit and an initialization data bit when the first symbol is a symbol representing one of the place holders. A trellis encoder (113) has one or more memories for trellis-encoding a second symbol outputted from the symbol processor, wherein the memories are initialized when the initialization data bit is processed in the trellis encoder.

IPC 8 full level

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CPC (source: EP KR US)

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